

ABSTRACT OF THE DISCLOSUREAMPLIFYING, ACHROMATIC AND LOW ABSORPTION LIGHT  
COLLECTION SYSTEM, PARTICULARLY SUITABLE FOR OPTICAL  
SPECTROMETRIC ANALYSIS

This system collects light emitted by at least one light source (52) and focuses it onto at least one light detection device (54). Preferably, it comprises a  
5 first mirror (58) that collects light emitted by the source and focuses it on a second mirror (60) that focuses it in turn onto the device. The system is provided with a chamber that is opaque to all light, particularly ultraviolet radiation, and in which the  
10 light source, the light detection device and the mirrors are placed, and means of creating a vacuum in this chamber and filling it with a gas that is transparent to ultraviolet radiation.

15           Figure 6.